Source Water Assessment Report

Public Water Supply: HILLSBORO, CITY OF

Assessment Areas Include:
933

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Bureau of Water Watershed Management Section
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Topeka, KS 66612−1367

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Kansas City, MO 64114

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Reports were generated with the Automated Source Water Assessment Tool (ASWAT). Assessments were completed online using ASWAT by hundreds of state employees, public water supply staff, and technical assistant providers throughout the State of Kansas.

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Report Description

Detailed Explanation of Entire Report:

The 1996 amendments to the Safe Drinking Water Act require each state to develop a Source Water Assessment Program (SWAP) and a Source Water Assessment (SWA) for each Public Water Supply (PWS) that treats and distributes raw source water. In Kansas there are 761 public water supplies that require SWAs. A SWA includes a delineation of the source water assessment area, an inventory of potential contaminant sources, and a susceptibility analysis.

A PWS can consist of one or more individual assessment areas that require different assessments. In general, an assessment area is delineated at a two−mile fixed radius for a groundwater well. A surface water intake assessment area is the upstream−drainage area (watershed), inside the state border. Additionally, an assessment area can consist of an individual well, group of wells, an individual surface water intake, or multiple surface water intakes.

After each assessment is completed a report is automatically generated using an Internet−based application called the Automated Source Water Assessment Tool (ASWAT). The individual assessment reports combine to form the entire SWA report for a PWS.

A map of each Assessment Area was also generated with ASWAT. However, for security reasons the maps are not included in this report. To obtain a copy of the map(s), please contact your local PWS.

All PWS reports will be available for viewing and downloading on KDHE's Watershed Management Section website(http://www.kdhe.state.ks.us/nps) in 2004.

HILLSBORO, CITY OF Summary:

AA	Type	Diversion Id
933	Surface water single intake	999

Public Water Supply:	**HILLSBORO, CITY OF**
Assessment Area:	**933**
Diversion Id's:	**999**
Status:	**Accepted**
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Executive Summary:

The Executive Summary gives the assessment area's Susceptibility Likelihood Score (SLS) for each contaminant of concern category.

SLS indicates which contaminant category is most likely to impact a given public water supply. Contaminants of concern for groundwater include microbiological, inorganic compounds, nitrates, synthetic organic compounds, pesticides, and volatile organic compounds. Contaminants of concern for surface water include microbiological, inorganic compounds, eutrophication − phosphorus, sedimentation, synthetic organic compounds, pesticides, and volatile organic compounds.

To determine the assessment area's susceptibility to contamination, a qualitative (semi−quantitative) screening level susceptibility analysis was designed that utilizes general assumptions and best professional judgement. It is a systematic procedure comprised of simple yes/no questions. Each question in the susceptibility analysis focuses on the presence or absence of potential pollution sources in the assessment area. SLS is most useful in helping the Public Water Supply (PWS) focus on water quality protection actions towards a contaminant category of concern. For example, if the SLS for microbiological contamination is high, relative to volatile organic compounds (VOC), water supply protection planners would conclude that the attention should be directed towards microbiological contaminant sources rather than VOC sources.

Executive Summary

Public Water Supply: **HILLSBORO, CITY OF**
Assessment Area: **933**

Susceptibility Likelihood Scores for Assessment Area

	A	B	B1	B2	C	C*	D
Susceptibility Likelihood Score − SLS	**40**	**38**	**59**	**58**	**36**	**39**	**39**
SLS Range	**Low**	**Low**	**Mid**	**Mid**	**Low**	**Low**	**Low**

A − Microbiolgical
B2 − Sedimentation
C* − Pesticides
B − Inorganic Compounds
C − Synthetic Organic Compounds
D − Volatile Organic Compounds
B1 − Eutrophication − Phosphorous

Susceptibility Likelihood Range

SLS Range	
0−50	**Low Susceptibility**
51−80	**Moderate Susceptibility**
81−100	**High Susceptibility**

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Potential Sources:

The Potential Sources section lists all the sites that have been identified as potential sources of contamination.

Potential sources of contamination may include land uses, industry, or businesses that could generate or store chemicals/substances that could potentially contaminate the water supply only if released into the environment. Both unregulated sites from business location databases and regulated sites from various KDHE databases were compiled. Additional sites could have been added by an evaluator through the assessment process to supplement the original data.

The 1987 Standard Industrial Classifications (SIC) were used to identify potential contaminate sites. The SIC system classifies establishments into industries on the basis of the primary activities of the establishment.

Each assessment area is delineated with 3 assessment zones. These zones can be used to get a general understanding of the potential influence sites have based on proximity to the water supply. Zone A is a100−foot radius around a groundwater well and a 1000−foot radius around a surface water intake. Zone B is a 2000−foot radius around wells and a hydrological delineated buffer around the surface water sources. Zone C is a 2−mile radius around wells and the balance of the watershed for intakes. The potential sources listed in this section are sorted to show all the potential sources in Zone A first, Zone B second, and Zone C third.

Although a facility or business is identified in the study as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.

The data for the potential sources of contamination was compiled from May through August in 2002. Some of the databases used were incomplete datasets that are continually being updated. Due to the incompleteness, inaccuracies, and new development, it is possible that sources of potential contamination that are in the assessment area are not included in the report. Inaccurate locations could also cause sources to show up in the assessment area that are not actually in the assessment. Additionally, duplication between the datasets could cause sites to show up multiple times in the assessment area.

Potential Sources

Public Water Supply: **HILLSBORO, CITY OF**
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Unregulated Potential Site Sources

Source No.	SIC Description	SIC ID	Zone
168307	Veterinary Services, Specialties	742	B
196891	Single−family Housing Construction	1521	B
168199	Dairy Products Manufacturing and Processing	2026	B
168160	Truck Trailers Manufacturing	3715	B
168161	Farm and Garden Machinery	5083	B
196895	Auto Truck Repair Service	7538	B
196159	Oil and Gas Field services	1389	C
196879	Single−family Housing Construction	1521	C
196880	Single−family Housing Construction	1521	C
196162	Meat Packing Plant Manufacturing	2011	C
196207	Prepared Feeds For Animals and Fowls	2048	C
196163	Wood Kitchen Cabinets Manufacturing	2434	C
196881	Farm Machinery and Equipment	3523	C
196168	Farm Product Warehousing and Storage	4221	C
196883	Farm Product Warehousing and Storage	4221	C
196884	Farm and Garden Machinery	5083	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000003	Wiens (Gary) Truck Wash	A−NEMN−T001	B

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000179	Hill's Farm	A−NEMN−SA07	B
2000217	Penner Farms	A−NEMN−SA08	B
2000224	Winter, Norman W.	A−NEMN−BA44	B
2000341	Plenert, Gregory	A−NEMN−MA13	B
2000342	Silverfield Farm	A−NEMN−MA11	B
2000357	Penner, Galen W.	A−NEMN−M006	B
2000361	Evans, Gary	A−NEMN−BA78	B
2000513	Penner, Gary	A−NEMN−BA79	B
2000517	Dalke, Gordon	A−NEMN−M001	B
2000937	Kaufman, Tim	A−NEMN−BA36	B
2000986	Hamm, Larry	A−NEMN−BA45	B
2001119	Funk, Kenneth	A−NEMN−BA23	B
2001165	David, Frederick Scott	A−NEMN−BA63	B
2001330	Hein, Leonard	A−NEMN−BA55	B
2001457	Wiebe, Jason (Jason Wiebe Dairy)	A−NEMN−M011	B
2001586	Christiansen, Gordon	A−NEMN−BA49	B
2001932	Funk, Kenneth	A−NEMN−BA22	B
2002171	K−k Ranch	A−NEMN−S008	B
2002259	Klassen Inc., Dairy	A−NEMN−M020	B
2000142	Wiebe, Kenneth	A−NEMN−BA72	C
2000172	Koehn, Daniel	A−NEMN−MA08	C
2000263	Koehn, Harlin	A−NEMN−MA02	C
2000401	Wiebe, Merlin	A−NEMN−MA05	C

Regulated Confined Animal Feeding Operations Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
2000523	Unruh, Ronald E.	A−NEMN−BA68	C
2000724	Pine Lane Dairy	A−NEMN−M017	C
2000747	Bartel, James	A−NEMN−BA48	C
2000787	Kaiser, Duane	A−NEMN−BA88	C
2001017	Wiebe Dairy (Mark)	A−NEMN−M021	C
2001044	Unruh, Warren	A−NEMN−BA59	C
2001113	Hamm, James G.	A−SHMN−BA01	C
2001401	Christiansen, Ryan R.	A−NEMP−BA01	C
2001818	D S Hog Farm	A−NEMN−S010	C
2002055	Christiansen Ranch, Gary	A−NEMN−BA83	C
2002057	Christiansen Ranch, Merrill	A−NEMN−BA84	C
2002144	Hiebert, Terry	A−NEMN−B014	C
2002339	Thompson, Darrell	A−NEMP−B001	C

Regulated Hazardous Waste Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
4000018	EXIDE TECHNOLOGIES	KSD073314593	C
4000019	EXLINE INC	KSD007127327	C
4000035	RAYTHEON AIRCRAFT CO	KSD049995426	C

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000383	Assoc Milk Producers	04745	B

Regulated Leaking Storage Tank Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
3000451	Durham Coop	05572	B
3001405	The Coffee Shop	25094	B
3001662	Marion Reservoir	26374	B
3000280	Canton Elevator Co	03365	C
3000292	Canton Service Center	03588	C
3002747	Sanders' Property	81414	C

Regulated Identified Contaminated Potential Site Sources

Did Not Contain Any Of These Potential Site Sources

Regulated Solid Waste Potential Site Sources

Did Not Contain Any Of These Potential Site Sources

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6000850	ASSOCIATED MILK PRODUCERS, INC.	I−NE35−PO01	B
6000851	ASSOCIATED MILK PRODUCERS, INC.	I−NE35−PO01	B

Regulated Waste Water Potential Site Sources

Source No.	Source Name	ID/Permit No.	Zone
6001602	DURHAM MWTP	M−NE19−NO01	B
6002022	CIRCLE D	P−NE35−OO02	B
6001589	CANTON MWTP	M−NE09−OO01	C
6001627	LEHIGH MWTP	M−NE41−OO01	C

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Added Sources:

The Added Sources section lists all the sites that have been added as potential sources of contamination by an evaluator through the assessment process to supplement the original data.

The potential sources listed in this section are sorted to show the added potential sources in Zone A first, Zone B second, and Zone C third.

Although a facility or business was added as a potential concern, it does not necessarily mean a release or spill has occurred. Contamination could only occur if certain chemical substances are released into the environment and filter into the water supply source.

Added Sources

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Added Potential Site Sources

Source No.	Source Name	SIC ID	Zone
9001411	Fuel, grain and feed and hay storage	10026	B
9000192	abandoned city dump	10070	B
9000603	pastureland with stock cattle	10080	B
9000262	dryland cropland (milo, wheat)	10081	B
9000263	private dump/construction demolition	10090	B
9000194	wheat field	111	B
9000602	wheat field	111	B
9001412	cropland	111	B
9000193	Natural Gas pipeline	4600	B
9000604	abandoned water well	10028	C
9000195	pastureland and CRP	10080	C
9000264	abandoned dump	10090	C
9000605	construction/demolition waste site	10090	C
9000266	Natural Gas pipeline	4600	C

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Potential Contaminants Summary:

The Contaminants Summary shows the number of identified unregulated sources in the assessment area for each contaminant of concern category.

In order to obtain the number or sources for each category, a relationship was correlated between each Standard Industrial Classification (SIC) and the contaminant of concern categories. Each SIC was assessed and associated with contaminant categories. For example, if not managed properly, a car wash (SIC 7542) could potentially contaminate an intake because of inorganic compounds (IOC) and volatile organic compounds (VOC); thus, a car wash is associated with IOCs and VOCs.

A chart displays a count for each contaminant category. The sum for each category represents the total number of identified sources that have been associated with that particular contaminant category. However, the total number of identified sources does not include contaminants from the Added Sources. In our example, a car wash would be considered 2 sources of contamination. It would be a potential source of contamination for IOCs and for VOCs; thus, 1 would be added to the total number of sources in the VOC category and 1 would be added to the IOC category.

Potential Contaminants Summary

Public Water Supply: **HILLSBORO, CITY OF**
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Number of Unregulated Site Sources Identified for each Contaminant Category

MicroBiological	Sedimentation	Pesticides	IOC's	SOC's	VOC's	E − P
7	4	1	11	4	6	4

A − Microbiolgical
B2 − Sedimentation
C* − Pesticides
B − Inorganic Compounds
C − Synthetic Organic Compounds
D − Volatile Organic Compounds
B1 − Eutrophication − Phosphorous

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Potential Contaminants Listing:

The Potential Contaminants section lists the contaminant of concern category associated with each Standard Industrial Classification (SIC) found in an assessment area. A complete list of contaminant category codes are located at the bottom of this page.

The relationships defined between the Standard Industrial Classifications (SIC) and the contaminant of concern categories are displayed in a table format. Using our car wash example, the relationships can be better illustrated. A car wash could release IOC and VOC chemical substances. The connection is shown by indicating the SIC, 7542, and the associated contaminant categories, IOC (Category B) and VOC (Category D). However, the contaminants listed are not associated with any Added Sources.

The list is sorted by the SIC source description and it only shows unique SIC sources. For example, an assessment area can have 20 car washes in an assessment area, but the list is only going to show contaminant categories associated with car washes onetime. This is because all car washes have the same SIC and every car wash poses the same potential threat to water intakes.

A − Microbiolgical **B** − Inorganic Compounds **B1** − Eutrophication − Phosphorous
B2 − Sedimentation **B*** − Nitrates **C** − Synthetic Organic Compounds
C* − Pesticides **D** − Volatile Organic Compounds

Potential Contaminants Listing

Public Water Supply: **HILLSBORO, CITY OF**
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Unregulated Identified Site Sources and associated Potential Contaminant Category

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
7538	Auto Truck Repair Service	Inorganics, VOCs	B
"	"	"	D
2026	Dairy Products Manufacturing and Processing	BOD, Oil and grease	A
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	A
"	"	"	B*
1389	Oil and Gas Field services	Oil, Salt Water	B
"	"	"	C
1521	Single−family Housing Construction	Oil, Paint, Pesticides, Fertilizers	A
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C
3715	Truck Trailers Manufacturing	inorganics, VOCs	B
"	"	"	D
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	A
"	"	"	B
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	B

Unregulated Identified Site Sources and associated Potential Contaminant Category.

SIC ID	SIC Source	Potential Contaminant	Contaminant Category
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	D
3523	Farm Machinery and Equipment	inorganics	B
"	"	"	D
4221	Farm Product Warehousing and Storage	TSS, VOCs	B
"	"	"	D
5083	Farm and Garden Machinery	inorganics	B
2048	Prepared Feeds For Animals and Fowls	Sanitary, Nitrates, phosphorous and pesticides	A
"	"	"	B
"	"	"	B1
"	"	"	B2
"	"	"	B*
"	"	"	C*

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Protection Measures:

The Protection Measures section shows water quality protection measures for the Standard Industrial Classifications (SIC) identified in the assessment area.

Previous sections of this report are designed to show areas that Public Water Supplies (PWS) can focus on to improve the susceptibility of an assessment area. This section helps identify water quality protection measures that a PWS can use as guidance for implementing action for a potential contaminant site in the assessment area. It focuses on protection measures that can reduce the risk of contamination to the water supply.

This portion of the report only displays water quality protection measures for each type of SIC found in the assessment area. It does not display protection measures for each site in the assessment area because every SIC should have the same or similar water quality protection management practices. However, the protection measures listed are not associated with any Added Sources.

Protection Measures

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Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
7538	Auto Truck Repair Service	Inorganics, VOCs	Discharge to POTW. Manage oil products and used oil so that it is not in contact with water	40 CFR 442 and
2026	Dairy Products Manufacturing and Processing	BOD, Oil and grease	Wastewater pretreatment and/or discharge to a POTW	40 CFR 405 and State or federal Storm water pollution prevention regulations
2011	Meat Packing Plant Manufacturing	BOD, pathogens, Oil and grease	Wastewater pretreatment and/or discharge to a POTW	40CFR 432 and State or federal Storm water pollution prevention regulations
1389	Oil and Gas Field services	Oil, Salt Water	Proper management of production wastes	KAR 28−41, 45, 40 CFR 435
1521	Single−family Housing Construction	Oil, Paint, Pesticides, Fertilizers	Proper cleaning and disposal of household hazardous waste. Proper storage, application, and clean up of pesticides and fertilizers	KAR 28−48, KDHE, KDEM
3715	Truck Trailers Manufacturing	inorganics, VOCs	Manage wastes properly and treat process wastewater prior to discharge to a POTW or direct	State or federal Storm water pollution prevention regulations

Recommended Water Quality Protection Measures

SIC	SIC Source	Contaminant Source	Water Quality Protection Measure	Regulatory Authority
742	Veterinary Services, Specialties	Sanitary, Inorganics TSS	Discharge to POT	NA
2434	Wood Kitchen Cabinets Manufacturing	TSS, VOCs	Discharge of process waters to POTW. Minimize outdoor storage.	State or federal Storm water pollution prevention regulations
3523	Farm Machinery and Equipment	inorganics	Discharge to POTW	State or federal Storm water pollution prevention regulations
4221	Farm Product Warehousing and Storage	TSS, VOCs	Keep the area clean of grain. Use grease traps.	State or federal Storm water pollution prevention regulations
5083	Farm and Garden Machinery	inorganics	Discharge to POTW	NA
2048	Prepared Feeds For Animals and Fowls	Sanitary, Nitrates, phosphorous and pesticides	Maintain animal feeding areas and feed storage areas to minimize contact with storm water. Collect and treat process wastes.	40 CFR 412 and State or federal Storm water pollution prevention regulations

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Assessment Analysis:

The Assessment Analysis section displays the numbers assigned to each contaminant of concern category for each question in the susceptibility analysis.

This analysis is based on a decision tree framework consisting of a series of yes/no questions. These questions consider the proximity of contaminant sources to the water supply intake, the type of contaminant, and the application of pollution prevention or water quality protection practices to sources of contamination. As the evaluator moves through the analytical framework, susceptibility points are accumulated based on the presence of contaminant sources in the assessment area.

After all the questions have been answered, the SLS is calculated for each contaminant of concern category. The SLS is determined by counting the number of contamination risk factors found to occur in the delineated assessment area and applying a multiplier to this number. Because the number of contaminant category risk factors is not equal, the multiplier is used to establish a common scale for the SLS of each contaminant category.

Assessment Analysis

Public Water Supply: **HILLSBORO, CITY OF**
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Surface Water Single Well Analysis

A − Microbiolgical **B** − Inorganic Compounds **B1** − Eutrophication − Phosphorous
B2 − Sedimentation **C** − Synthetic Organic Compounds
C* − Pesticides **D** − Volatile Organic Compounds

No.	Question	Response	A	B	B1	B2	C	C*	D
1	Is the intake located at a treatment plant?	No	1	1	0	0	1	1	1
2	Is there an open channel conveyance from the intake to the treatment plant?	No	0	0	0	0	0	0	0
3	Does a PWS own or control the conveyance right−of−way?	No	1	1	0	0	1	1	1
4	Does a PWS own or control the area within 1/4 mile of intake?	Yes	0	0	0	0	0	0	0
5	Is the area within 1/4 mile of the intake entirely native grass?	Yes	0	0	0	0	0	0	0
6	Is transportation infrastucture in close proximity to the intake?	No	0	0	0	0	0	0	0
7	Are there water quality protection plans for the transportation infrastucture?	Yes	0	0	0	0	0	0	0
8	Are any commercial, industrial, or urban areas present?	No	0	0	0	0	0	0	0
9	Does each industrial/commercial site and urban area have a water quality protection plan in place?	Yes	0	0	0	0	0	0	0
10	Is riparian area vegetated?	Yes	0	0	0	0	0	0	0
11	Has riparian area been farmed up to the stream/riverbank?	No	0	0	0	0	0	0	0
12	Is there a lack of native grass or trees?	No	0	0	0	0	0	1	0
13	Is livestock use present in riparian area?	No	0	0	0	0	0	0	0
14	Are any confined livestock production sites in riparian area?	No	0	0	0	0	0	0	0
15	Is each confinement area registered with KDHE?	Yes	0	0	0	0	0	0	0
16	Are any row crops (corn, milo, soybean) present?	Yes	0	0	0	0	0	1	0
17	Are water quality protection plans in use for each cropland?	No	0	0	0	0	0	1	1

No.	Question	Response	A	B	B1	B2	C	C*	D
18	Are any orchards present?	No	0	0	0	0	0	0	0
19	Are water quality protection plans in use for each orchard?	Yes	0	0	0	0	0	0	0
20	Is the intake a river intake?	No	0	0	0	0	0	0	0
21	Is the intake at a city−owned lake?	No	1	1	1	1	1	1	1
22	Is there water quality monitoring conducted at the river or lake?	Yes	0	0	0	0	0	0	0
23	Is TMDL needed for any of the rivers or lakes?	Yes	1	1	1	1	1	1	1
24	Are TMDL pollutants of concern reported by monitoring?	Yes	0	0	0	0	0	0	0
25	Are any point source discharges within 16 miles upstream of intake?	Yes	1	1	1	1	1	0	1
26	Is pretreatment required at any of the point sources?	Yes	1	1	1	1	1	0	1
27	Are all riparian buffers vegetated?	Yes	0	0	0	0	0	0	0
28	Are vegetated riparian buffer and a water quality protection plans in place?	No	1	1	1	1	0	1	0
29	Is there urbanized land within riparian buffer?	No	0	0	0	0	0	0	0
30	Is a NPDES stormwater permit required for the urbanized areas?	No	1	1	1	1	1	1	1
31	Are voluntary water quality protection plans in place for each urbanized area?	Yes	0	0	0	0	0	0	0
32	Is there industrial land use within riparian buffer?	No	0	0	0	0	0	0	0
33	Is NPDES stormwater permit required for industrial areas?	No	1	1	1	1	1	1	1
34	Are voluntary water quality protection plans in place for each industrial area?	Yes	0	0	0	0	0	0	0
35	Are there livestock present?	Yes	1	0	1	0	0	1	0
36	Is there livestock confinement present?	Yes	1	0	1	0	0	1	0
37	Is each confined livestock facility registered with KDHE?	Yes	0	0	0	0	0	0	0
38	Are any row crops (corn, milo, soybeans) present?	Yes	0	0	1	1	0	1	0
39	Are water quality protection plans in use for each row crop production?	No	0	0	1	1	0	1	0
40	Are any orchards present?	No	0	0	0	0	0	0	0
41	Are water quality protection plans in use for each orchard?	Yes	0	0	0	0	0	0	0
42	Is there any small grain (wheat, oats, barley) production?	Yes	0	0	1	1	0	1	0
43	Are water quality protection plans in use for each small grain production?	No	0	0	1	1	0	1	0
44	Are there unsewered developments (contentrations of lagoons or septic systems) present in Zone B?	Yes	1	1	0	0	0	0	0
45	Is a general watershed water quality protection plan in use?	Yes	0	0	0	0	0	0	0
46	Are any point source discharges within 16 miles upstream of intake?	Yes	0	0	0	0	0	0	0
47	Is pretreatment required at any of the point sources?	Yes	1	1	1	1	1	0	1

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Site Comments:

The Site Comments section lists all the comments that were added for the potential sources of contamination found in the assessment area.

Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding detail to the sites that can be referenced for more information.

This local information may include comments on potential contamination threats (or lack there of), local water quality protection initiatives, etc. Adding comments are optional and are mainly focused on sources in areas that could have the greatest impact on water supply if a spill or release occurred in the environment. It is left to the discretion of the PWS and/or source water assessment committee to add comments.

Site Comments

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Assessment Area: **933**

Comments for Unregulated Sites

Did Not Receive Any Comments

Comments for Regulated Confined Animal Feeding Operations Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Koehn, Daniel	2000172	This dairy facility has no groundwater monitoring requirements.	Nicole Fisher
Wiebe, Merlin	2000401	This dairy facility has no groundwater monitoring requirements.	Nicole Fisher

Comments for Regulated Hazardous Waste Sites

Did Not Receive Any Comments

Comments for Regulated Leaking Storage Tank Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Sanders' Property	3002747	The site is closed from contamination in 1996. The tank was rusted and full of water. The excavation showed no evidence of contamination and a sample taken from the bottom of the excavation showed no measurable contamination.	Nicole Fisher

Comments for Regulated Leaking Storage Tank Sites

Potential Contaminant Site Name	Site No.	Site Comments	Author
Sanders' Property	3002747	The site is located downgradient of the public water supply.	Nicole Fisher

Comments for Regulated Identified Contaminated Sites

Did Not Receive Any Comments

Comments for Regulated Solid Waste Sites

Did Not Receive Any Comments

Comments for Regulated Waste Water Sites

Did Not Receive Any Comments

Public Water Supply: **HILLSBORO, CITY OF**
Assessment Area: **933**
Diversion Id's: **999**
Status: **Accepted**
Submit Date: **2003−04−17 08:17:29**

Added Site Comments:

The Added Site Comments section lists the comments for why sites were added as a potential source of contamination found to the assessment area.

Added Site Comments

Public Water Supply: **HILLSBORO, CITY OF**
Assessment Area: **933**

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
Fuel, grain and feed and hay storage	9001411	This site could contaminate the public water supply.	Nicole Fisher
Natural Gas pipeline	9000193	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
Natural Gas pipeline	9000266	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
abandoned city dump	9000192	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
abandoned dump	9000264	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
abandoned dump	9000264	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
abandoned dump	9000264	According to the Wellhead Protection Plan, nothing has been added to the dump for 20 years.	Nicole Fisher
abandoned water well	9000604	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
construction/demolition waste site	9000605	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
cropland	9001412	This site could contaminate the public water supply.	Nicole Fisher

Comments for Added Contaminant Sites

Added Contaminant Site Name	Site No.	Site Comments	Author
dryland cropland (milo, wheat)	9000262	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
pastureland and CRP	9000195	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
pastureland with stock cattle	9000603	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
private dump/construction demolition	9000263	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
wheat field	9000194	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher
wheat field	9000602	This information was obtained from the Wellhead Protection Plan.	Nicole Fisher

Public Water Supply: **HILLSBORO, CITY OF**
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Analysis Question Comments:

The Analysis Question Comments section lists all the comments that were added during analysis portion of the assessment, in which a series of yes/no questions were asked.

Evaluators have the option to add comments to questions to clarify why a response was given or to give more details to a question. Local comments and feedback from people that are familiar with the assessment area is an important aspect of the assessment. The comments greatly improve the assessment by adding clarification and details that could not be identified with a simple yes or no response.

Analysis Question Comments

Public Water Supply: **HILLSBORO, CITY OF**
Assessment Area: **933**

Comments for Analysis Questions

Analysis Question	Question Comments	Author
Is a general watershed water quality protection plan in use?	The intake is located within the Watershed Protection Plan implemented for Marion Lake with a Federal Grant.	Nicole Fisher
Is a general watershed water quality protection plan in use?	Currently, the County Conservation District is in the process of establishing buffers around the reservoir.	Nicole Fisher